

<u>Constituent</u>	<u>Method</u>	<u>Matrix</u>	<u>Method Detection Limit</u>	<u>Detection Limit</u>	<u>Reporting Units</u>
Conventionals:					
Alkalinity as CaCO ₃	QC 10303311A or SM 2320B	water	3	10	mg/L
Ammonia as N	EPA 350.3	water	0.05	0.1	mg/L
Nitrate + Nitrite as Nitrogen	QC 10107041B	water	0.005	0.01	mg/L
Orthophosphate as Phosphorus	QC 10115011M	water	0.005	0.01	mg/L
Sediment Grain Size	ASTM D422	sediment	n/a	n/a	% fine
Sulfate	EPA 300.0	water	0.37	1	mg/L
Total Kjeldahl Nitrogen	EPA 351.3	water	0.25	0.5	mg/L
Total Organic Carbon	EPA 9060	sediment			
Total Phosphate as Phosphorus	EPA 365.3	water	0.03	0.05	mg/L
Dissolved Metals:					
Aluminum	EPA 1638M	water	0.1	0.3	µg/L
Arsenic	EPA 1638M	water	0.1	0.3	µg/L
Cadmium	EPA 1638M	water	0.01	0.01	µg/L
Chromium	EPA 1638M	water	0.05	0.05	µg/L
Copper	EPA 1638M	water	0.01	0.01	µg/L
Lead	EPA 1638M	water	0.01	0.01	µg/L
Manganese	EPA 1638M	water	0.01	0.01	µg/L
Nickel	EPA 1638M	water	0.01	0.01	µg/L
Selenium	EPA 1638M	water	0.1	0.1	µg/L
Silver	EPA 1638M	water	0.008	0.02	µg/L
Zinc	EPA 1638M	water	0.1	0.1	µg/L
Organics:					
Polychlorinated Biphenyls (PCBs)	EPA 8082A	water	0.001	0.002	µg/L
Polynuclear Aromatic Hydrocarbons (PAHs)	EPA 8270M or EPA 8310M	water	0.02	0.05	µg/L
Organochlorine Pesticides (OC Pesticides)					
Aspon	EPA 8081A	water	0.03	0.05	µg/L
Azinphos ethyl	EPA 8081A	water	0.03	0.05	µg/L
Azinphos methyl	EPA 8081A	water	0.03	0.05	µg/L
Bolstar	EPA 8081A	water	0.03	0.05	µg/L
Carbophenothion	EPA 8081A	water	0.03	0.05	µg/L
Chlorfenvinphos	EPA 8081A	water	0.03	0.05	µg/L
Chlorpyrifos	EPA 8081A	water	0.02	0.05	µg/L
Chlorpyrifos methyl	EPA 8081A	water	0.02	0.05	µg/L
Ciodrin(Crotoxyphos)	EPA 8081A	water	0.03	0.05	µg/L
Coumaphos	EPA 8081A	water	0.04	0.05	µg/L
Demeton-s	EPA 8081A	water	0.04	0.05	µg/L
Diazinon	EPA 8081A	water	0.005	0.02	µg/L
Dichlofenthion	EPA 8081A	water	0.03	0.05	µg/L

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Dichlorvos	EPA 8081A	water	0.03	0.05	µg/L
Dicrotophos	EPA 8081A	water	0.03	0.05	µg/L
Dimethoate	EPA 8081A	water	0.03	0.05	µg/L
Dioxathion	EPA 8081A	water	0.03	0.05	µg/L
Disulfoton	EPA 8081A	water	0.01	0.05	µg/L
Ethion	EPA 8081A	water	0.02	0.05	µg/L
Ethoprop	EPA 8081A	water	0.03	0.05	µg/L
Famphur	EPA 8081A	water	0.03	0.05	µg/L
Fenchlorphos	EPA 8081A	water	0.03	0.05	µg/L
Fenitrothion	EPA 8081A	water	0.03	0.05	µg/L
Fensulfothion	EPA 8081A	water	0.03	0.05	µg/L
Fenthion	EPA 8081A	water	0.03	0.05	µg/L
Fonofos (Dyfonate)	EPA 8081A	water	0.02	0.05	µg/L
Leptophos	EPA 8081A	water	0.03	0.05	µg/L
Malathion	EPA 8081A	water	0.03	0.05	µg/L
Merphos	EPA 8081A	water	0.03	0.05	µg/L
Methidathion	EPA 8081A	water	0.03	0.05	µg/L
Mevinphos	EPA 8081A	water	0.03	0.05	µg/L
Molinate	EPA 8081A	water	0.1	0.2	µg/L
Naled(Dibrom)	EPA 8081A	water	0.03	0.05	µg/L
Parathion, Ethyl	EPA 8081A	water	0.03	0.05	µg/L
Parathion, Methyl	EPA 8081A	water	0.01	0.05	µg/L
Phorate	EPA 8081A	water	0.03	0.05	µg/L
Phosmet	EPA 8081A	water	0.03	0.05	µg/L
Phosphamidon	EPA 8081A	water	0.03	0.05	µg/L
Sulfotep	EPA 8081A	water	0.03	0.05	µg/L
Terbufos	EPA 8081A	water	0.03	0.05	µg/L
Tetrachlorvinphos	EPA 8081A	water	0.03	0.05	µg/L
Thiobencarb	EPA 8081A	water	0.1	0.2	µg/L
Thionazin	EPA 8081A	water	0.04	0.05	µg/L
Tokuthion	EPA 8081A	water	0.03	0.05	µg/L
Trichlorfon	EPA 8081A	water	0.03	0.05	µg/L
Trichloronate	EPA 8081A	water	0.03	0.05	µg/L

Organophosphorus Pesticides (OP Pesticides)

Aldrin	EPA 8141A	water	0.001	0.002	µg/L
Chlordane, cis	EPA 8141A	water	0.001	0.002	µg/L
Chlordane, trans	EPA 8141A	water	0.001	0.002	µg/L
Chlordene, alpha	EPA 8141A	water	0.001	0.002	µg/L
Chlordene, gamma	EPA 8141A	water	0.001	0.002	µg/L
Dacthal	EPA 8141A	water	0.001	0.002	µg/L
DDD(o,p')	EPA 8141A	water	0.001	0.002	µg/L
DDD(p,p')	EPA 8141A	water	0.001	0.002	µg/L
DDE(o,p')	EPA 8141A	water	0.001	0.002	µg/L
DDE(p,p')	EPA 8141A	water	0.001	0.002	µg/L
DDMU(p,p')	EPA 8141A	water	0.001	0.002	µg/L
DDT(o,p')	EPA 8141A	water	0.001	0.002	µg/L
DDT(p,p')	EPA 8141A	water	0.002	0.005	µg/L
Dieldrin	EPA 8141A	water	0.001	0.002	µg/L

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Endosulfan I	EPA 8141A	water	0.001	0.002	µg/L
Endosulfan II	EPA 8141A	water	0.001	0.002	µg/L
Endosulfan sulfate	EPA 8141A	water	0.001	0.002	µg/L
Endrin	EPA 8141A	water	0.001	0.002	µg/L
Endrin Aldehyde	EPA 8141A	water	0.002	0.005	µg/L
Endrin Ketone	EPA 8141A	water	0.002	0.005	µg/L
HCH, alpha	EPA 8141A	water	0.001	0.002	µg/L
HCH, beta	EPA 8141A	water	0.001	0.002	µg/L
HCH, delta	EPA 8141A	water	0.001	0.002	µg/L
HCH, gamma	EPA 8141A	water	0.001	0.002	µg/L
Heptachlor	EPA 8141A	water	0.001	0.002	µg/L
Heptachlor epoxide	EPA 8141A	water	0.001	0.002	µg/L
Methoxychlor	EPA 8141A	water	0.001	0.002	µg/L
Mirex	EPA 8141A	water	0.001	0.002	µg/L
Nonachlor, cis	EPA 8141A	water	0.001	0.002	µg/L
Nonachlor, trans	EPA 8141A	water	0.001	0.002	µg/L
Oxadiazon	EPA 8141A	water	0.001	0.002	µg/L
Oxychlordane	EPA 8141A	water	0.001	0.002	µg/L
Tedion	EPA 8141A	water	0.001	0.002	µg/L
Triazine Pesticides	EPA 619	water	0.02	0.05	µg/L
Toxicity:					
Ceriodaphnia dubia, 7 day Test		water	n/a	n/a	Survival (%)
		water	n/a	n/a	# Young/female (Num/Rep)
Selenastrum capricornutum, 4 day Test		sediment	n/a	n/a	Total Cell Count (cells/ml)
Hyalella azteca, 10 day Test					Growth (weight) (mg/individual)
					Survival (%)